

JAR-856-2480  
15 May 1968  
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SIGNED

TO: Bruce B.  
cc: Dave W., Bob B.

OSA - 1720-68

SUBJECT: Progress Report  
Contract Nos. DC-CT-1503 and DC-TM-1504  
1 April thru 30 April 68

1.0 Contract DC-CT-1503

1.1 Life Rafts, 16 ea ordered on PR-GN-68-08-15-004

A shipment of two (2) each rafts was made on 15 April.  
This shipment completes the above PR.

2.0 Contract DC-TM-1504

2.1 Sustaining Engineering Services W/O-GN-68-11-27-008

The life raft specifications are expected to be completed  
by 15 June.

Verbal instructions have been given to Bob B. to alter the  
new flotation garments by relocating the oral hose to the  
left side of the assemblies as requested by Charlie C.

Some difficulty was experienced by two of the subjects in  
getting their feet through the leg drainage panels. Bob B.  
determined that this was due to the tightness of the link-  
net overcasting and the non-stretching of the panel tapes.  
The problem was remedied at [REDACTED]

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All exterior covers of active PPA's have been altered with  
water drainage panels and relocated flotation garment  
inflator valves.

No word has been received on the status of the automatic  
inflators as of this date.

2.1.1 An LEV 20 coated sunshade was returned to us  
because of severe scratches on the outer surface  
which accrued through operational use.

The coating processor (Perkin-Elmer Corp.) was  
notified of the problem and the shade was forwarded  
to them for inspection.

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We have received a report from the processor that a new coating was available.

LEV-31

The LEV-31 design is for application on the concave surface of a polycarbonate visor. The "back-reflectance" of visible (wavelength region between 4250 and 6700A) light has been reduced from approximately 6% to approximately 2%. This represents a three-fold improvement in the reflectance level. Additionally, the luminous transmission has been increased from 75% (absolute) to 90% (absolute) representing a gain of 20% (relative) in the "seeability" of the user.

The LEV-31 coating represents a substantial improvement in the state-of-the-art for low emissivity coatings. Reference attached chart.

Although the above figures were obtained with a polycarbonate visor the processor feels the same coating and performance can be applied to a Plex-55 sunshade but a new computer program would have to be run for the Plexiglass material.

- 2.1.2 A request was received from the field to find an inactive PPA that would fit subject 1050.

The only suit at these facilities is the 1056 PPA which in no way is close to 1050's measurements.

A review of all inactive suits at the area was made with Bob B. and nothing was found suitable in size for subject 1050. Bob B. was to inform Charles C. of the situation.



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JAR:gbl  
Enclosure

ITEMS REMAINING TO BE DELIVERED 1 May 1968

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New Equipment and Spare PartsContract No. DC-CT-1503

<u>Order No.</u>	<u>Description</u>	<u>Estimated Delivery Date</u>
PR-GN-68-02-29-017	12 ea GN PA2509 Undershirt, Sage Green	6 May 68
	12 pr GN P628T Drawers, Sage Green	6 May 68
PR-GN-68-04-10-020	2 ea GN 10091G01 Glove, F/P, L/H, S/N 1050	14 June 68
	2 ea GN 10091G02 Glove, F/P, R/H, S/N 1050	14 June 68

Repair and ModificationContract No. DC-TM-1504

8071GN009C	To be modified: 1 ea 265296-1 to GN ACS2186A-1 Spur Assy, Quick Release	17 May 68
8071GN010C	1 ea 265296-2 to GN ACS2186A-2 Spur Assy, Quick Release	17 May 68
Awaiting PR	To be modified: 2 ea 265296-24 to GN ACS2186A-5 Spur Assy, Quick Release	14 June 68
	2 ea 265296-24 to GN ACS2186A-6 Spur Assy, Quick Release	14 June 68

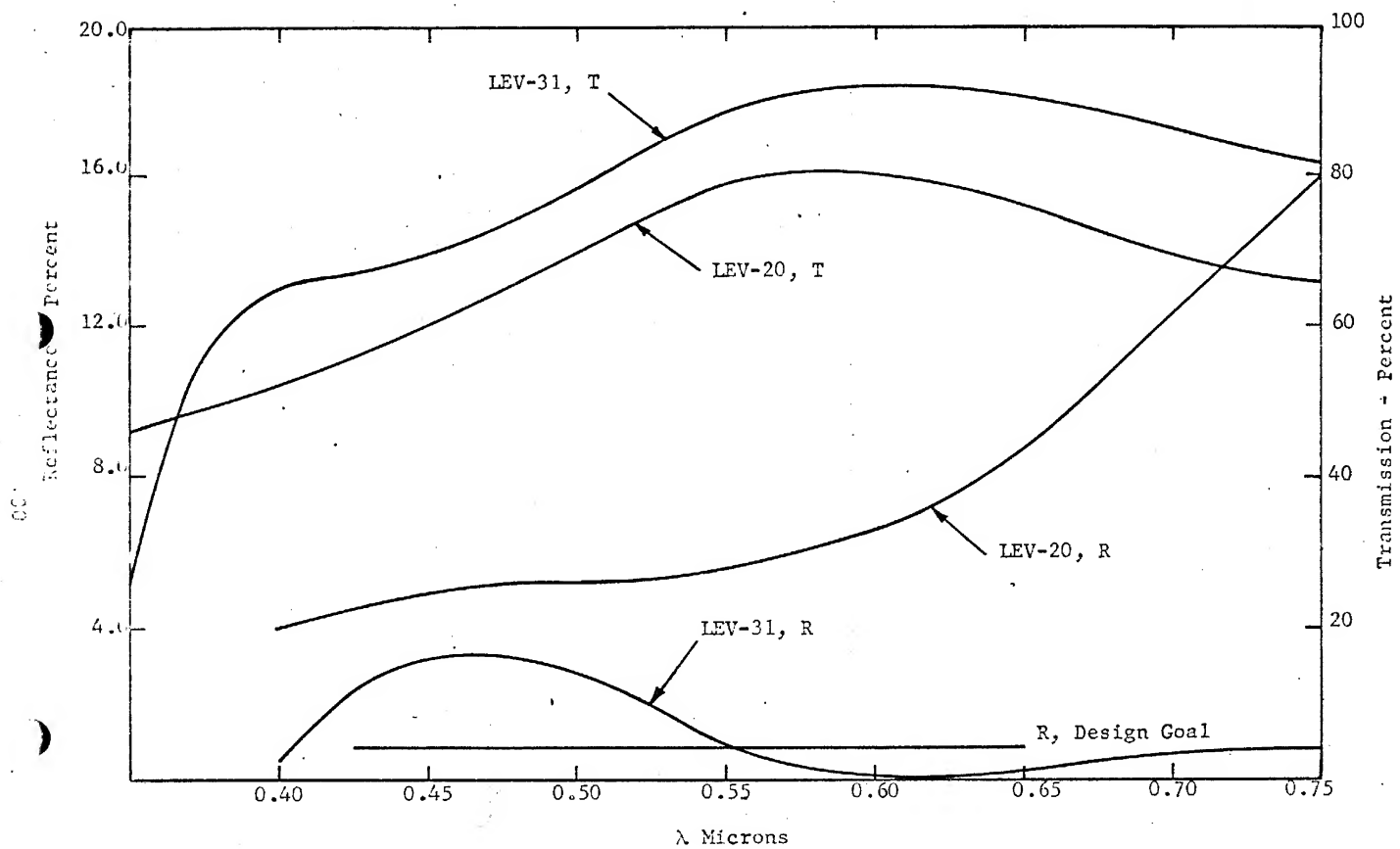


Figure LEV-20, LEV-31 Performance versus Design Goal